

50C6-G

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BEAM POWER AMPLIFIER

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage	50	ac or dc volts
Current	0.15	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	4-5/8"
Seated Length	3-7/8" + 3/16" - 5/16"
Maximum Diameter	1-13/16"
Bulb	ST-14
Base	Medium-Shell Octal 7-Pin
Basing Designation for BOTTOM VIEW	G-7AC

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Grid No. 2
Pin 5 - Grid No. 1
Pin 7 - Heater
Pin 8 - Cathode, Grid No. 3

AF POWER AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values:***

PLATE VOLTAGE	200 max.	volts
GRID-No. 2 (SCREEN) VOLTAGE	135 max.	volts
PLATE DISSIPATION	12.5 max.	watts
GRID-No. 2 INPUT	1.75 max.	watts

Typical Operation and Characteristics:

Plate Voltage	135	200	volts
Grid-No. 2 Voltage	135	135	volts
Grid-No. 1 (Control-Grid) Voltage	-13.5	-14	volts
Peak AF Grid-No. 1 Voltage	13.5	14	volts
Zero-Signal Plate Current	58	61	ma
Max.-Signal Plate Current	60	66	ma
Zero-Signal Grid-No. 2 Current	3.5	2.2	ma
Max.-Signal Grid-No. 2 Current	11.5	9.0	ma
Plate Resistance (Approx.)	9300	18300	ohms
Transconductance	7000	7100	μmhos
Load Resistance	2000	2600	ohms
Total Harmonic Distortion	10	10	%
Max.-Signal Power Output	3.6	6.0	watts

Curves shown under Type 6Y6-G also apply to the 50C6-G.

TUBE DEPARTMENT
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